



North Carolina Department of Environment and Natural Resources

Division of Waste Management

Pat McCrory
Governor

Dexter R. Matthews
Director

John E. Skvarla, III
Secretary

February 18, 2013

Sent Via Email – rfrench@alexandercountync.gov

Mr. Rick French
Alexander County Manager
621 Liledoun Road
Taylorsville, NC 28681

Re: Compliance Boundary (Relevant Point of Compliance)
Alexander County C&D Over MSW Landfill
Solid Waste Permit Number 02-01
DIN 18502

Dear Mr. French:

The Solid Waste Section would like to thank Alexander County for its cooperation regarding the quick response for the recordation of the survey (*Survey For Notice of Contaminated Site Alexander County Landfill*) and the land use restrictions (*Notice and Declaration of Perpetual Land Use Restrictions*) for the Alexander County Landfill, Solid Waste Permit Number 02-01. These documents were recorded within the Alexander County Register of Deeds on November 13, 2012 (Book 13, Page 142 and Book 560 Page 1792-1797).

Part of the approved selected remedy contained within the County's approved *February 6, 2009 Corrective Action Plan* included acquisition of property to investigate and mitigate landfill gas and/or water quality impacts within the MW-16 Area of Concern. In addition, within the County's approved *February 6, 2009 Corrective Action Plan*, once the acquisition of property was completed, the County would request to move the facility's compliance boundary (relevant point of compliance) from 50 feet within the property boundary to 250 feet from the edge of waste onto the acquired property.

Pursuant to 15A NCAC 13B .1631(a)(2)(A), the relevant point of compliance shall be established no more than 250 feet from a waste boundary, and shall be at least 50 feet within the facility property boundary. Extending the compliance boundary from 50 feet within the property boundary onto the acquired property would allow more room to assess and mitigate any landfill gas and/or water quality impacts.

In addition, Alexander County installed groundwater monitoring wells MW-33 and MW-34 on April 27, 2011 on the acquired property (DIN 14075 and 18501) approximately 250 feet from the edge of waste. To date, no volatile organic compounds or the facility's constituents of concern have been detected that have exceeded the groundwater standards within these two groundwater monitoring wells on the acquired property. Alexander County also installed a landfill gas monitoring well, MP-A, on April 28, 2011 on the acquired property. To date, no detections or exceedances of methane have been observed within this landfill gas monitoring well.

As a result, the request to move the compliance boundary (relevant point of compliance) 250 feet from the

edge of waste onto the acquired property is approved. Due to the compliance boundary (relevant point of compliance) being moved, Alexander County will be required to conduct the following:

1. Please submit a Corrective Action Plan (CAP) Addendum within 120 days of receipt of this letter reflecting the new location of the compliance boundary (relevant point of compliance) within the MW-16 Area of Concern. The CAP Addendum should also reflect any necessary changes to the selected remedy for the MW-16 Area of Concern and may include any other Areas of Concern if needed.
2. If groundwater collected from groundwater monitoring wells MW-33 or MW-34 indicates confirmed exceedances of the groundwater standards, a new remedy shall be implemented in addition to the ongoing Monitored Natural Attenuation (MNA) within the MW-16 Area of Concern.
3. Please add landfill gas monitoring well MP-A to the required routine quarterly landfill gas monitoring at the facility. If landfill gas monitoring of MP-A indicates exceedances of the regulatory standards, landfill gas assessment and corrective action will be required within the MW-16 Area of Concern.
4. Finally, the facility's Permit to Operate (PTO) expires on November 10, 2015. In 2015 upon permit renewal or closure, Alexander County will be required to submit a new survey plat of the facility including the acquired property. During this time, the facility boundary will be expanded to include the acquired property recorded within the Alexander County Register of Deeds Office as Book 13, Page 142 and Book 560, Page 1792-1797. Therefore, no permitting fees will be required at this time, but permitting fees may be required in 2015.

If you have any questions or concerns regarding this letter, please contact me at 919-707-8294 or by email at jaclynne.drummond@ncdenr.gov. Thank you again for your continued cooperation with these matters.

Sincerely,



Jaclynne Drummond
Compliance Hydrogeologist
Solid Waste Section

cc sent via email: Josh Mitchell, Alexander County Solid Waste Director
Mark Poindexter, Field Operations Supervisor
Jason Watkins, Western District Supervisor
Charles Gerstell, Environmental Senior Specialist
Larry Frost, Permitting Engineer